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MSEKHKWWQQ VENIDITHLG PKRKAYELLG RHEEQVLINR RDVMEKKDAW 0050
 DVQEFTQMY IKQLIRHPAF QLLAFLLLS NAITALRTN SYLGQKHYEL 0100
FSTIDDIVLT ILICEVLLGW LNGFWIFWKD GWNILNFAIV FILEMGFFIK 0150
QLDMVAITYPLRVLRLVHVC MAVEPLARI KVILQSMPDL ANYMALILFF 0200
MLVFSVFGVT LFGAFVPKHF QNMGVALYTL FICITQDGWL DYTDFQMDE 0250
REYAMEVGGAIYFAVFTLQ AFIGLNLFVV VVTINLBQMM KTGEEGHLN 0300
IKFTTEEDE DWTDELPLVH CTEARKDTST VPKEPLVGGPLLSNLTEKTCD 0350
NFCLVLEAIQ ENLMEYKEIR EELNMIVEEV SSIRFNQEQQ NVILHKYTSK 0400
SATFLSEPPE GANKQDLITA LVSREKVSDS NINMVNKHKF SH 0442

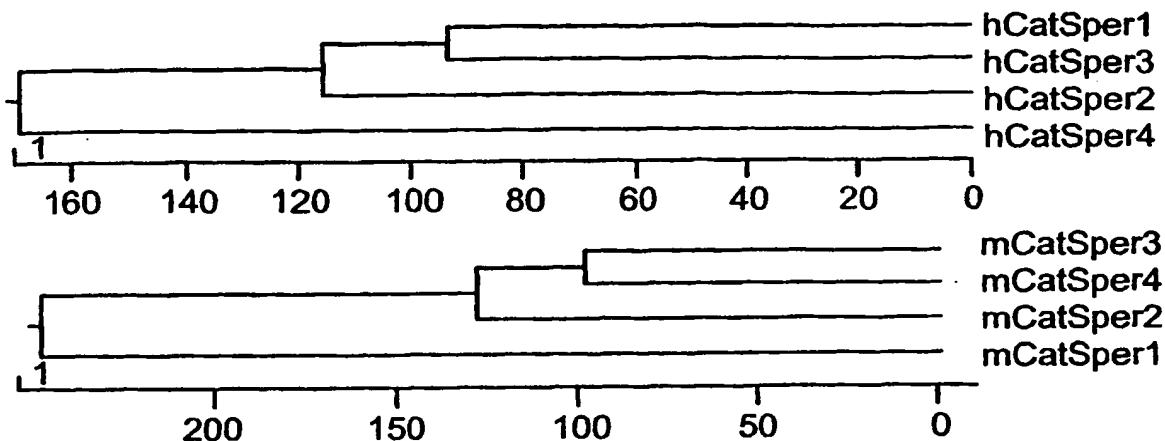
FIG. 1

MRDNEKAWWQ QWTSHTGLEG WGGTQEDRMG FGGAVAAALRG RPSPLQSTIH 0050
ESYGRPEEQV LINRQEITNK ADAWDMQEFI THMYIKOLLR HPAFQOLLAL 0100
LLVINAITIA LRTNSYLDQK HYELFSTIDD IVLTILLCEV LLGWLNGFWI 0150
FWKDGWNILN FIIVEILLR FFINEINIPS INTYTLRALRL VHVCMAYEPL 0200
ARURVILQS VPDMANIMVL ILFFMLVFSV FGVTLFGAFV PKHFQNIQVA 0250
LYTTLFICITO DGWVDIYSDF QTEKREYAME IGGAYIFTIFTIGAFIGIN 0300
LFVIVVTTNL EQMMMKAGEQQ QQQRITFSET GAAEEEENDQ LPLVHCVVAR 0350
SEKSGILLQEP LAGGPLSNLS ENTCDNFCLV LEAIQENLRQ YKEIRDLM 0400

FIG. 2

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hCatSper3 and hCatSper1 are 21% identical

hCatSper3 and hCatSper2 are 22% identical

hCatSper4 and hCatSper1 are 17% identical

hCatSper4 and hCatSper2 are 21% identical

mCatSper3 and mCatSper1 are 20% identical

mCatSper3 and mCatSper2 are 22% identical

mCatSper4 and mCatSper1 are 22% identical

mCatSper4 and mCatSper2 are 22% identical

hCatSper1 and mCatSper1 are 48% identical

hCatSper2 and mCatSper2 are 71% identical

hCatSper3 and mCatSper3 are 68% identical

hCatSper4 and mCatSper4 are 65% identical

FIG. 3